

compose.kerala.gov.in
egazette.kerala.gov.in
printing.kerala.gov.in



Regn.No. KERBIL/2012/45073
dated 2012-09-05 with RNI
Reg No.KL/TV(N)/634/2021-2023

കേരള സർക്കാർ
GOVERNMENT OF KERALA

കേരള ഗസറ്റ് KERALA GAZETTE

ആധികാരികമായി പ്രസിദ്ധപ്പെടുത്തുന്നത്
PUBLISHED BY AUTHORITY

ചൊവ്വ, 2024 ഏപ്രിൽ 23
Tuesday, 23rd April 2024

1199 മേടം 10
10th Medam 1199

1946 വൈശാഖം 3
3rd Vaisakha 1946

വാല്യം 13
Vol. XIII

നമ്പർ } 17
No. }

Part III

Technical Education Department

©
കേരള സർക്കാർ
GOVERNMENT OF KERALA
2024



ദർഘാസ് പരസ്യം

നമ്പർ പി1-3720/2023/GPC-NTK.

2024 ഏപ്രിൽ 1.

കോട്ടയം സർക്കാർ പോളിടെക്നിക് കോളേജിലെ ഹൈഡ്രോളിക് മെഷീൻ ലാബിലെ പെൽട്രോൺ, ഫ്രാൻസിസ്, കെപ്ലാൻ എന്നീ ടർബൈനുകൾ പ്രവർത്തിപ്പിക്കുന്നതിന് ആവശ്യമായ പമ്പുസെറ്റുകൾ അറ്റകുറ്റപ്പണികൾ നടത്തുന്നതിനായി മൽസര സ്വഭാവമുള്ളതും മുദ്രവച്ചതുമായ ദർഘാസുകൾ ക്ഷണിക്കുന്നു.

ദർഘാസ് നമ്പർ—01/2023-24.

അടങ്കൽ തുക—₹ 1,41,652.

നിരതദ്രവ്യം—അടങ്കൽ തുകയുടെ 1 % .

ദർഘാസ് ഫോറത്തിന്റെ വില :

ഒറിജിനൽ—₹ 472 (₹ 400 + 18 % GST).

ഡ്യൂപ്ലിക്കേറ്റ്—₹ 236 (₹ 200 + 18 % GST).

ദർഘാസ് ഫോറം വിൽക്കുന്ന അവസാന തീയതി—6-5-2024.

ദർഘാസ് ഫോറം സ്വീകരിക്കുന്ന അവസാന തീയതിയും സമയവും—7-5-2024, 11 മണി.

ദർഘാസ് തുറക്കുന്ന തീയതിയും സമയവും—7-5-2024, 2 മണി.

ദർഘാസ് ഫോറം ലഭിക്കുന്നതിനും ദർഘാസ് സമർപ്പിക്കുന്നതിനും “പ്രിൻസിപ്പാൾ, ഗവ. പോളിടെക്നിക് കോളേജ്, കോട്ടയം,” എന്ന വിലാസത്തിൽ ബന്ധപ്പെടേണ്ടതാണ്.

ദർഘാസ് ഫോറത്തിന്റെ വില ഓഫീസിൽ etr 5 മുഖേന ഒടുക്കാവുന്നതാണ്. പോസ്റ്റൽ ഓർഡർ, ചെക്ക്, ഡിമാന്റ് ഡ്രാഫ്റ്റ് മുതലായവ സ്വീകാര്യമല്ല. ₹ 220-ന്റെ മുദ്രപ്പത്രത്തിൽ തയ്യാറാക്കിയ സമ്മതപത്രം ദർഘാസിനൊപ്പം സമർപ്പിക്കേണ്ടതാണ്. ദർഘാസ് ഫോറവും കൂടുതൽ വിശദാംശങ്ങളും പ്രവൃത്തി ദിവസങ്ങളിൽ ഓഫീസിൽ നിന്നും ലഭിക്കുന്നതാണ്.

List of work required (in detail)

(1.) Name of work: Repairing overhauling 15HP C/F Pumpset No. 1 attached with Francis turbine test rigin Hydraulic lab at Polytechnic College, Nattakom, Kottayam.

1. Disconnecting power supply and dismantling cable connections and dismantling suction and delivery pipe from pump and dismantling the pumpset from foundation and lifting and placing on the floor of the pump house.
2. Carrying and conveying the pumpset from lab to workshop in a lorry including loading, unloading, conveyance charges of lorry.
3. Dismantling the pump and motor and i.e., stator rotor, impeller, impeller chamber and bearings etc.
4. Damaged impeller chamber sleeve making at laith and damaged gland bush making at laith and damaged bearing housing sleeve making at laith and damaged bearing No. 6309 replacing with new (including cost of bearings).



5. Cleaning the starter of the motor and varnishing at required temperature (including cost of varnish).
6. Assembling the pumpset with starter rotor side cover etc. And damaged gland packing replacing with new.
7. Conveying the pumpset from workshop to lab in a lorry and damaged suction pipe and foot valve replacing with new erecting on foundation and connecting suction and delivery pipe and providing all connectors and trial run etc.

2. Name of work: Repairing overhauling 15HP C/F Pumpset No.1 attached with Peltron turbine test rigin Hydraulic lab at Polytechnic College, Nattakom, Kottayam.

1. Disconnecting power supply and dismantling suction and delivery pipe from pump and dismantling the pumpset from foundation and lifting and placing on the floor of the pumb house.
2. Carring and conveying the pumpset from lab to workshop in a lorry including loading, unloading, conveyance charges of lorry.
3. Dismantling the pump and motor and i.e, stator rotor, impeller chamber and bearings etc.
4. Damaged impeller chamber sleev making at laith and damaged gland bush making at laith and damaged bearing housing sleevmaking at laith and damaged bearing No. 6309 replacing with new (including cost of bearings).
5. Cleaning the starter of the motor and varnishing at required temperature (including cost of varnish).
6. Assembling the pumpset with startor rotor side cover etc. And damaged gland packing replacing with new.
7. Conveying the pumpset from workshop to lab in a lorry and damaged suction pipe and foot valve replacing with new erecting on foundation and connection suction and delivery pipe and providing all connections and trial run etc.

3. Name of work: Repairing 20 HP C/F Pumpset attached with Kaplan turbine test rigin Hydraulic lab at Polytechnic College, Nattakom

Item No.1—Conveying welding set and tools and pipe etc. from workshop and connecting the welding (including loading, unloading and hire and conveyance charges of welding set and tools).

Item No. 2—New 250mm M.S pipe cutting and welding with new pipe and new flange (including cost of pipe and flange.)

Fabricating MS pipes of size 250mm (ID) using 8 mm thick MS plate including cost and



conveyance charges of MS plate, all fabrication charges, charges of painting the steel work with two or more coat deluxe multi surface paint to give an even shade over an under coat of primer etc. complete: For pipes fabricated with 8 mm thick MS plates.

Fabricating MS flanges of diameter 250 mm using 12 mm thick MS plate including cost and conveyance charges of MS plate, all fabrication charges, charges of painting the steel work with two or more coat deluxe multi surface paint to give an even shade over an undercoat of primer etc. complete: For pipes fabricated with 8 mm thick MS plates.

Cutting 250 mm (ID) MS pipes for making bends and other specials buy gas cutting including cost of gas all labour and hire charges of tools etc. complete: For pipes fabricated with 8 mm thick MS plates

Welding 250 mm (ID) MS pipes for making bends and other specials by gas/electric welding machine including cost of gas and welding rods, all labour and hire charges of tools etc. complete: For pipes fabricated with 8 mm thick MS.

Grinding cut and weld edges of 250 mm (ID) NS pipes during fabrication work including all labour and hire charges of tools etc. complete: For pipes fabricated with 8 mm thick MS Plates

Item No. 3—Fitting new 250 mm C.I foot valve with new nut bolt, rubber packing etc. in a correct alignment (including cost of 250 mm C. I. foot valve, nut bolt, rubber packing etc.)

Item No. 4—Fitting the new suction pipe and pump with new rubber packing and damaged gland packing replacing with new and trial run etc. complete (including cost of rubber packing and gland packing)

Item No. 5— Cost of 250 mm M.S Bend.

No. P1-3720/2023/GPC-NTK.

1st April 2024.

Sealed tenders are invited for the Repairing work of Pumpset that connected with Turbines Peltron, Francis and Keplan for the use of Hydraulic Machine Lab of Government Polytechnic College, Kottayam for an estimated cost of ₹ 1,41,652 (One Lakh Fourty one Thousand Six Hundred and Fifty two only).

Tender No.—01/2023-24.

Cost of Tender form:

Original—₹ 400 + GST 18% = ₹ 472

Duplicate—₹ 200 + GST 18% = ₹ 236

Last date and time of sale of tender form—6-5-2024, 11 a.m.

Last date and time of receipt of tender—7-5-2024, 11 a.m.

Date and time of opening of tender—7-5-2024, 2 p.m.

Mode of remittance of cost of tender form is through etr 5 (online mode) in the College Office. As per condition the tenderer should send along with his tender an agreement executed and



signed in Kerala Stamp Paper value of ₹ 220 and Earnest Money Deposit 1% of the total cost of article tendered. Tenders without agreement, tender form and Earnest Money Deposit will be rejected. Tender forms and more details of tender can be had from the college office on all working days.

List of work required (in detail)

1. Name of work: Repairing overhauling 15HP C/F Pumpset No.1 attached with Francis turbine test rig in Hydraulic lab at Polytechnic College, Nattakom, Kottayam
 1. Disconnecting power supply and dismantling cable connections and dismantling suction and delivery pipe from pump and dismantling the pumpset from foundation and lifting and placing on the floor of the pump house.
 2. Carrying and conveying the pumpset from lab to workshop in a lorry including loading, unloading, conveyance charges of lorry.
 3. Dismantling the pump and motor and i.e., stator rotor, impeller, impeller chamber and bearings etc.
 4. Damaged impeller chamber sleeve making at laith and damaged gland bush making at laith and damaged bearing housing sleeve making at laith and damaged bearing No. 6309 replacing with new (including cost of bearings).
 5. Cleaning the starter of the motor and varnishing at required temperature (including cost of varnish).
 6. Assembling the pumpset with starter rotor sidecover etc. and damaged gland packing replacing with new.
 7. Conveying the pumpset from workshop to lab in a lorry and damaged suction pipe and foot valve replacing with new erecting on foundation and connecting suction and delivery pipe and providing all connectors and trial run etc.
2. Name of work: Repairing overhauling 15HP C/F Pumpset No.1 attached with Peltron turbine test rig in Hydraulic lab at Polytechnic College, Nattakom, Kottayam
 1. Disconnecting power supply and dismantling suction and delivery pipe from pump and dismantling the pumpset from foundation and lifting and placing on the floor of the pump house.
 2. Carrying and conveying the pumpset from lab to workshop in a lorry including loading, unloading, conveyance charges of lorry.
 3. Dismantling the pump and motor and i.e., stator rotor, impeller chamber and bearings etc.
 4. Damaged impeller chamber sleeve making at laith and damaged gland bush making at laith and damaged bearing housing sleeve making at laith and damaged bearing No. 6309 replacing with new (including cost of bearings).
 5. Cleaning the starter of the motor and varnishing at required temperature (including cost of varnish).



6. Assembling the pumpset with startor rotor sidecover etc. and damaged gland packing replacing with new.
 7. Conveying the pumpset from workshop to lab in a lorry and damaged suction pipe and foot valve replacing with new erecting on foundation and connection suction and delivery pipe and providing all connections and trial run etc.
3. Name of work: Repairing 20HP C/F Pumpset attached with Kaplan turbine test rig in Hydraulic lab at Polytechnic College, Nattakom, Kottayam

Item No.1—Conveying welding set and tool sand pipe etc. from workshop and connecting the welding (including loading, unloading and hire and conveyance charges of welding set and tools).

Item No.2—New 250mm M.S pipe cutting and welding with new pipe and new flange (including cost of pipe and flange).

Fabricating MS pipes of size 250 mm (ID) using 8 mm thick MS plate including cost and conveyance charges of MS plate, all fabrication charges, charges of painting the steel work with two or more coat deluxe multi surface paint to give an even shade over an under coat of primer etc. complete: For pipes fabricated with 8 mm thick MS plates.

Fabricating MS flanges of diameter 250 mm using 12 mm thick MS plate including cost and conveyance charges of MS plate, all fabrication charges, charges of painting the steel work with two or more coat deluxe multi surface paint to give an even shade over an under coat of primer etc. complete: For pipes fabricated with 8mm thick MS plates.

Cutting 250mm (ID) MS pipes for making bends and other specials by gas cutting including cost of gas all labour and hire charges of tools etc. complete: For pipes fabricated with 8 mm thick MS plates.

Welding 250 mm (ID) MS pipes for making bends and other specials by gas/electric welding machine including cost of gas and welding rods, all labour and hire charges of tools etc. complete: For pipes fabricated with 8 mm thick MS.

Grinding cut and weld edges of 250 mm (ID) NS pipes during fabrication work including all labour and hire charges of tools etc. complete: For pipes fabricated with 8 mm thick MS Plates.

Item No. 3—Fitting new 250 mm C.I foot valve with new nut bolt, rubber packing etc. in a correct alignment (including cost of 250 mm C. I. foot valve, nut bolt, rubber packing etc.)

Item No. 4 —Fitting the new suction pipe and pump with new rubber packing and damaged gland packing replacing with new and trial run etc. complete (including cost of rubber packing and glandpacking).

Item No. 5—Cost of 250 mm M. S Bend.

Govt. Polytechnic College,
Kottayam.

(Sd.)
Principal.

